

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant :	Williams, et al.	Art Unit :	1637
Serial No. :	10/779,543	Examiner :	Angela Marie Bertagna
Filed :	February 12, 2004	Conf. No. :	8423
Title :	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE II		

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

Under 35 USC §120, this application relies on the earlier filing date of application serial numbers:

60/532,830, filed on 12/23/2003 (expired); 10/629,771 filed on 07/28/2003 (abandoned); 10/615,618 filed on 07/07/2003 (Pending); 10/609,021 filed on 06/26/2003 (abandoned); 10/076,555 filed on 02/15/2002 (abandoned); 10/012,697 filed on 12/07/2001 (abandoned); 09/932,076 filed on 08/16/2001 (abandoned); 09/854,124 filed on 05/10/2001 (abandoned); 09/819,150 filed on 03/27/2001 (abandoned); 60/275,688 filed on 03/13/2001 (expired); 09/803,719 filed on 03/09/2001 (abandoned); 60/254,648 filed on 12/07/2000 (expired); 60/226,326 filed on 08/16/2000 (expired); 09/611,527 filed on 06/30/2000 (abandoned); 60/192,583 filed on 03/28/2000 (expired); 09/297,648 filed on 03/10/2000 (patent 6,964,868); 60/188,609 filed on 03/09/2000 (expired); 09/404,706 filed on 09/23/1999 (abandoned); 09/400,947 filed on 09/22/1999 (abandoned); 60/142,310 filed on 07/02/1999 (expired); 60/142,311 filed on 07/02/1999 (expired); 09/313,292 filed on 05/13/1999 (patent 7,122,373); PCT/US99/01619 filed on 01/28/1999 (pending); 09/217,471 filed on 12/21/1998 (abandoned); 60/105,877 filed on 10/27/1998 (expired); 60/105,234 filed on 10/21/1998 (expired); 60/103,815 filed on 10/08/1998 (expired); 60/102,380 filed on 09/28/1998 (expired); 60/102,161 filed on 09/28/1998 (expired); 60/102,180 filed on 09/28/1998 (expired); 60/101,900 filed on 09/25/1998

Applicant : Williams, et al.
Serial No. : 10/779,543
Filed : February 12, 2004
Page : 2 of 2

Attorney's Docket No.: 20366-
130001 / PP021302.0001

(expired); 60/085,537 filed on 05/15/1998 (expired); 60/085,696 filed on 05/15/1998 (expired); 60/085,426 filed on 05/14/1998 (expired); 60/080,515 filed on 04/03/1998 (expired); 60/080,664 filed on 04/03/1998 (expired); 60/080,666 filed on 04/03/1998 (expired); 60/080,114 filed on 03/31/1998 (expired) 60/075,954 filed on 02/24/1998 (expired) 60/072,910 filed on 01/28/1998 (expired); and 60/068,755 filed on 12/23/1997 (expired).

The following references were submitted to and/or cited by the Office in the prior applications and, therefore, are not provided in this application:

Desig. IDs:

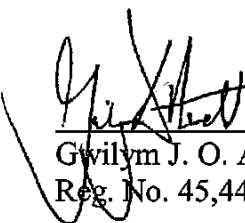
AA-APPPPPPPPPPPPP

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance.

Please apply \$180 in payment of the late submission fee of §1.17(p) and any other charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 20366-130001.

Respectfully submitted,

Date: August 17, 2007



Gwilym J. O. Attwell
Reg. No. 45,449

Fish & Richardson P.C.
P.O. Box 1022
Minneapolis, MN 55440-1022
Telephone: (302) 652-5070
Facsimile: (877) 769-7945

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
	Applicant Williams, et al.		
	Filing Date February 12, 2004	Group Art Unit 1637	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,959,314	09/25/90	Mark, et al.			
	AB	5,712,381	01/1998	Lin et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC	WO 99/64594	12/16/99	WIPO				
	AD	WO 97/40151	10/30/1997	WIPO				
	AE	WO 98/11220	03/19/1998	WIPO				
	AF	WO 92/20798	11/26/1992	WIPO				
	AG	WO 96/30389	10/03/1996	WIPO				
	AH	WO 99/33982	07/08/1999	WIPO				
	AI	WO 99/54631	12/16/1999	WIPO				
	AJ	WO 99/64594	12/16/1999	WIPO				
	AK	WO 99/64631	12/16/1999	WIPO				
	AL	WO 01/02568	11/01/2001	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AM	Abstract XP-002177024; EMBL; DOE Joint Genome Institute: Retrieved from EBI GENBank Accession Number AC016619; (Dec. 14, 1999)
	AN	Abstract XP-002177025; EMBL; Retrieved from GEN Bank Accession Number AQ568048; (June 3, 1999)
	AO	Accession Number AL135937 Entry HS AL135937 Phillimore, B. "Human DNA Sequence from Clone RP1-278022 on chromosome 20.
	AP	Accession Number XM_104316 Homo Sapiens LOC1 Entry LOC164325 NCBI Annotation Project
	AQ	Accession Number Z98752 Human DNA Sequence Entry HS 138B7 Ramsey et al. "Human DNA Sequence from Clone RP1-138B7 on chromosome 20q13.12...
	AR	Acker et al., GenBank Accession No. HSRNAP14K (June 8, 1995)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
	Applicant Williams, et al.		
	Filing Date February 12, 2004	Group Art Unit 1637	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AS	Adam, et al., "Identification of Biomarkers in Benign Prostate Hyperplasia and Prostate Carcinoma By Differential Display" Proc. Annual Mtng American Assoc. for Cancer Research, Vol. 36 Toronto (XP002923792) (March, 1995)
	AT	Alberte et al., Molecular Biology of the Cell, 3 rd Ed. New York p. 465 (1994)
	AU	Attwood, Science, 290:471-473, (2000)
	AV	Azzi, A. et al., "The Protein Kinase C Family," <i>Eur. J. Biochem.</i> 208(e):547-557 (September 1992)
	AW	Baldi et al., "Differential Expression of the Retinoblastoma Gene Family Members pRB/p105, p107, and pRb2/p130 in Lung Cancer." <i>Clin. Cancer Res.</i> Vol. 2(7):1239-45 (1996)
	AX	Baltz et al., "A LIM Motif Is Present in a Pollen-Specific Protein," <i>Plant Cell</i> 4(12):1465-1466 (December 1992)
	AY	Bandziulis et al., "RNA-Binding Proteins as Developmental Regulators," <i>Genes & Development</i> 3(4):431-437 (April 1989).
	AZ	Bazan J.F., "Structural Design and Molecular Evolution of a Cytokine Receptor Superfamily," <i>Proc. Natl. Acad. Sci. USA</i> 87(18):6934-6938 (September 1990).
	AAA	Bennett et al., "Association between Ankyrin and the Cytoplasmic Domain of Band 3 Isolated from the Human Erythrocyte Membrane," <i>J. Biol. Chem.</i> 255(13):6424-6432 (July 10, 1980)
	ABB	Berg, J.M., "Proposed Structure for the Zinc-Binding Domains From Transcription Factor IIIA and Related Proteins," <i>Proc. Natl. Acad. Sci. USA</i> 85(1):99-102 (January 1988)
	ACC	Bork, P., "Hundreds of Ankyrin-Like Repeats in Functionally Diverse Proteins: Mobile Modules that Cross Phyla Horizontally?," <i>Proteins: Structure, Function, and Genetics</i> 17(4):363-374 (1993).
	ADD	Bowie et al., Science 247:1306-1310 (1990)
	AEE	Breeden et al., "Similarity Between Cell-Cycle Genes of Budding Yeast and Fission Yeast and the <i>Notch</i> gene of <i>Drosophila</i> ," <i>Nature</i> 329(6140):651-654 (October 15-21, 1987)
	AFF	Brennen et al., J. Autoimmunity, 2:177-186 (1989)
	AGG	Brenner, S., "The Molecular Evolution of Genes and Proteins: A Tale of Two Serines," <i>Nature</i> 334(6182):528-530 (August 11, 1988)
	AHH	Brinkley et al., Variations in cell form and cytoskeleton in human breast carcinoma cells in vitro, <i>Cancer Research</i> Vol. 40, pp. 3118-3129 (1980)
	AII	Burd et al., "Conserved Structures and Diversity of Functions of RNA-Binding Proteins," <i>Science</i> 265(5172):615:621 (July 29, 1994)
	AJJ	Burgess et al., J. Cell Bio. 111:2129-2138 (1990)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AKK	Bürglin, <i>Guidebook to the Homeobox Genes</i> , Oxford University Press, Oxford, 1994, Chapter 3, "A Comprehensive Classification of Homeobox Genes," pp. 27-71.
	ALL	Cailleau et al, "Breast Tumor Cell Lines From Pleural Effusions," <i>J. Natl. Cancer Inst.</i> 53(3):661-674 (September 1974)
	AMM	Careere et al., <i>Gut.</i> , 44:550-551 (1998)
	ANN	Carmeci et al., "Identification of a Gene (GPR30) with Homology to the G-Protein-Coupled Receptor Superfamily Associated with Estrogen Receptor Expression in Breast Cancer," <i>Genomics</i> Vo. 45:607-617 (1997)
	AOO	Chabert et al., Cell culture of tumors alters endogenous poly(ADPR) polymerase expression and activity <i>Int. J. Cancer</i> Vol. 53 pp. 837-842 (1993)
	APP	Chandrasekaran et al, "Glycosaminoglycans of Normal and Malignant Cultured Human Mammary Cells," <i>Cancer Research</i> 39(3):870-880 (March 1979)
	AQQ	Charbonneau et al., "1002 Protein Phosphatases?," <i>Annu. Rev. Cell Biol.</i> 8:463-493 (1992)
	ARR	Chariello et al., <i>Oncogene</i> 16:541-545 (1998)
	ASS	Chen et al., "Androgen-Independent Human Prostate Cancer Progression: The Isolation of Novel Stage-Specific Sequences Using Differential Mrnadisplay" <i>J. of Urology</i> , p. 267A (XP002923791) (April 1995)
	ATT	Clarke et al., "Engineered Disulfide Bonds as Probes of the Folding Pathway of Barnase: Increasing the Stability of Proteins Against the Rate of Denaturation," <i>Biochemistry</i> 32(16):4322-4329 (April 27, 1993)
	AUU	Clarke et al., Progression of human breast cancer cells from hormone-dependent to hormone-independent growth both in vitro and in vivo. <i>Proc. Natl. Acad. Sci. USA</i> vol. 86, pp. 3649-3653 (1989)
	AVV	Confalonieri et al., "A 200-Amino Acid ATPase Module in Search of a Basic Function," <i>BioEssays</i> 17(7):639-650 (1995)
	AWW	Cosman et al, "A New Cytokine Receptor Superfamily," <i>Trends Biochem. Sci.</i> 15:265-270 (July 1990)
	AXX	D'Andrea et al, "Erythropoietin Receptor and Interleukin-2 Receptor β Chain: A New Receptor Family," <i>Cell</i> 58(6):1023-1024 (September 22, 1989)
	AYY	D'Andrea et al., "A New Hematopoietic Growth Factor Receptor Superfamily: Structural Features and Implications for Signal Transduction," <i>Curr. Opin. Cell Biol.</i> 2(4):648-651 (August 1990)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
	Applicant Williams, et al.		
	Filing Date February 12, 2004	Group Art Unit 1637	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AZZ	Database EMBL Online "Human DNA Sequence form Clone RP11-427L15, February 16, 2000, retrieved from EBI Database Accession No. AL139407 (XP002223603).
	AAAA	Database EMBL Online "RPC111-126H19. TV Homo Sapiens Genomic Clone, January 25, 1999, retrieved from EBI Database Accession No. AQ348278 (XP002223604).
	ABBB	Database EMBL online 6 July 2000 (2000-07-06) Birren B. et al., "Homo sapiens chromosome 2, clone RP11-265B3" Database accession number AC 073025 XP002208136
	ACCC	Database EMBL online 9 June 2000 (2000-06-09) Birren B. et al., "Homo sapiens, clone RP11-12010" Database accession number AC068959 XP002208137
	ADDD	Database Record AA743908 (February 19, 1998)
	AEEE	Database Record AI459918 (March 1, 1999)
	AFFF	Davletov et al., "A Single C ₂ Domain from Synaptotagmin I Is Sufficient for High Affinity Ca ²⁺ /Phospholipid Binding," <i>J. Biol. Chem.</i> 268(35):26386-26390 (December 15, 1993)
	AGGG	Dermer, Another Anniversary for the War on Cancer, <i>Bio/Technology</i> , 12:320 (1994)
	AHHH	Dhanasekaran et al., "Signaling By Dual Specificity Kinases," <i>Oncogene</i> 17(11):1447-1455 (September 17, 1998)
	AIII	Drexler, Leukemia and Lymphoma 9:1-25 (1993)
	AJJJ	Dreyfuss G. et al, "Heterogeneous Nuclear Ribonucleoprotein Particles and the Pathway of mRNA Formulation," <i>Trends Biochem. Sci.</i> 13:86-91 (March 1988)
	AKKK	Drmanac et al., "Gene-Representing cDNA Clusters Defined by Hybridization of 57,419 Clones from Infant Brain Libraries with Short Oligonucleotide Probes," <i>Genomics</i> 37(1):29-40 (October 1, 1996)
	ALLL	Eklund et al., "Structural and Functional Relations Among Thioredoxins of Different Species," <i>Proteins: Structure, Function, and Genetics</i> 11(1):13-28 (1991)
	AMMM	Ellenberger, "Getting a grip on DNA Recognition: Structures of the Basic Region Leucine Zipper, and the Basic Region Helix-Loop-Helix DNA-Binding Domains," <i>Curr. Opin. Struct. Biol.</i> 4:12-21 (1994)
	ANNN	Erdmann et al., "PASI, a Yeast Gene Required for Peroxisome Biogenesis, Encodes a Member of a Novel Family of Putative ATPases," <i>Cell</i> 64(3):499-510 (February 8, 1991)
	AOOO	Eriksson et al., <i>Diabetologia</i> , 35:143-147 (1992)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	APPP	Evans et al., "Zinc Fingers: Gilt by Association," <i>Cell</i> 52(1):1-3 (January 15, 1988)
	AQQQ	Everett et al., Pendred syndrome is caused by mutations in a putative sulphate transporter gene (PDS). <i>Nature Genetics</i> , Vol. 21, pp. 440-443 (1999)
	ARRR	Fischer et al., "Protein Tyrosine Phosphatases: A Diverse Family of Intracellular and Transmembrane Enzymes," <i>Science</i> 253(5018):401-406 (July 26, 1991)
	ASSS	Freshney, Culture of Animal Cells, A Manual of Basic Technique, Alan R. Liss, Inc., New York p. 4 (1983)
	ATTT	Freyd et al., "Novel Cysteine-Rich Motif and Homeodomain in the Product of the <i>Caenorhabditis elegans</i> Cell Lineage Gene <i>lin-II</i> ," <i>Nature</i> 344(6269):876-879 (April 26, 1990)
	AUUU	Frölich et al., "Yeast Cell Cycle Protein CDC48p Shows Full-Length Homology to the Mammalian Protein VCP and Is a Member of a Protein Family Involved in Secretion, Peroxisome Formation, and Gene Expression," <i>J. Cell Biol.</i> 114(3):443-453 (August 1991)
	AVVV	Fu et al., <i>EMBO J.</i> 15:4392-4401 (1996)
	AWWW	Fukuda et al., "Inositol-1,3,4,5-tetrakisphosphate Binding to C2B Domain of IP4BP/Synaptotagmin II," <i>J. Biol. Chem.</i> 269(46):29206-29211 (November 18, 1994)
	AXXX	Gastpar et al., "Methoxy-Substituted 3-Formyl-2-phenylindoles Inhibit Tubulin Polymerization," <i>J. Med. Chem.</i> 41(25):4965-4972 (December 3, 1998)
	AYYY	Gehring et al., "Homeotic Genes and the Homeobox," <i>Ann Rev. Genet.</i> 20:147-173 (1986)
	AZZZ	Gehring, <i>Guidebook to the Homeobox Genes</i> , Oxford University Press, Oxford, 1994, Chapter 1, "A History of the Homeobox," pp. 3-10
	AAAAA	Gehring, W.J., "The Homeobox in Perspective," <i>Trends Biochem. Sci.</i> 17:277-280 (August 1992)
	ABBBB	Genbank Accession No. 2914385, deposited Oct. 14, 1997
	ACCCC	Genbank Accession No. A42286, deposited Aug. 13, 1999
	ADDDD	Genbank Accession No. AC004067, November 8, 1998
	AEEEE	Genbank Accession No. R09152, April 5, 1995
	AFFFF	Genbank Accession No. S25299, deposited July 21, 2000
	AGGGG	Genbank Accession No. S81083, deposited June 12, 2000
	AHHHH	Genbank Accession No. AA050390 (Sept. 9, 1996)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
	Applicant Williams, et al.		
	Filing Date February 12, 2004	Group Art Unit 1637	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AIII	Genbank Accession No. AA068559 (Feb. 6, 1997)
	AJJJ	Genbank Accession No. AA114761, deposited November 15, 1996
	AKKK	Genbank Accession No. AA131908 (May 14, 1997)
	ALLL	Genbank Accession No. AA444267, deposited August 4, 1997
	AMMM	Genbank Accession No. AA544005 (Aug. 1, 1997)
	ANNN	Genbank Accession No. AB012917, deposited September 30, 1998
	AOOO	Genbank Accession No. AB013730, deposited June 20, 2000
	APPP	Genbank Accession No. AB023201, published June 16, 1999
	AQQQ	Genbank Accession No. AB041036, deposited June 20, 2000
	ARRR	Genbank Accession No. AB041542, deposited June 30, 2000
	ASSS	Genbank Accession No. AB056389, deposited March 1, 2001
	ATTT	Genbank Accession No. AC000028, deposited November 21, 2000
	AUUU	Genbank Accession No. AC002315, deposited February 20, 1998
	AVVV	Genbank Accession No. AF015926, deposited June 15, 1998
	AWWW	Genbank Accession No. AF036241, deposited October 27, 2000
	AXXX	Genbank Accession No. AF038957, deposited July 20, 1998
	AYYY	Genbank Accession No. AF039029, deposited November 4, 1998
	AZZZ	Genbank Accession No. AF047695, deposited June 2, 1998
	AAAAA	Genbank Accession No. AF068116, deposited June 10, 1998
	ABBBB	Genbank Accession No. AF068117, deposited June 10, 1998
	ACCCC	Genbank Accession No. AF116910, deposited May 11, 1999
	ADDDD	Genbank Accession No. AF155117, deposited January 5, 2000
	AEEEE	Genbank Accession No. AF155826, published June 16, 1999
	AFFFF	Genbank Accession No. AF164623, deposited June 26, 2000
	AGGGG	Genbank Accession No. AF176555, deposited November 10, 1999
	AHHHH	Genbank Accession No. AF189011, deposited February 6, 2001
	AIIII	Genbank Accession No. AF202892, deposited December 12, 1999

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
	Applicant Williams, et al.		
	Filing Date February 12, 2004	Group Art Unit 1637	

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AJJJJJ	Genbank Accession No. AF179308, published August 30, 1999
	AKKKKK	Genbank Accession No. AF241316, published September 15, 2000
	ALLLLL	Genbank Accession No. AF271782, deposited January 2, 2001
	AMMMMM	Genbank Accession No. AF273437, deposited Aug. 17, 2000
	ANNNNN	Genbank Accession No. AF277375, published July 18, 2000
	AOOOOO	Genbank Accession No. AJ250839, deposited March 17, 2000
	APPPPP	Genbank Accession No. AJ250840, deposited March 17, 2000
	AQQQQQ	Genbank Accession No. AJ271784, published February 16, 2000
	ARRRRR	Genbank Accession No. AJ278133, deposited Mar. 19, 2001
	ASSSSS	Genbank Accession No. AK000059, deposited February 22, 2000
	ATTTTT	Genbank Accession No. AK000638, published February 22, 2000
	AUUUUU	Genbank Accession No. AK001121, deposited February 22, 2000
	AVVVVV	Genbank Accession No. AK001197, deposited Feb. 22, 2000
	AWWWWW	Genbank Accession No. AK001468, deposited Feb. 22, 2000
	AXXXXX	Genbank Accession No. AK001472, deposited Feb. 22, 2000
	AYYYYY	Genbank Accession No. AK002717, deposited February 8, 2001
	AZZZZZ	Genbank Accession No. AK001402, deposited Feb. 22, 2000
	AAAAAAA	Genbank Accession No. AK003515, deposited Feb. 8, 2001
	ABBBBBB	Genbank Accession No. AK005163, deposited Feb. 8, 2001
	ACCCCCC	Genbank Accession No. AK007403, deposited Feb. 8, 2001
	ADDDDDD	Genbank Accession No. AK007686, deposited Feb. 8, 2001
	AEEEEEE	Genbank Accession No. AK012674, deposited February 8, 2001
	FFFFFFF	Genbank Accession No. AK013151, deposited February 8, 2001
	AGGGGGG	Genbank Accession No. AK014691, deposited February 8, 2001
	AHHHHHH	Genbank Accession No. AK018516, deposited February 8, 2001
	AIIIIII	Genbank Accession No. AK019525, deposited February 8, 2001
	AJJJJJJ	Genbank Accession No. AK022518, deposited September 29, 2000

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AKKKKKK	Genbank Accession No. AK023964, published September 29, 2000
	ALLLLLL	Genbank Accession No. AK024266, published September 29, 2000
	AMMMMMM	Genbank Accession No. AK025674, published September 29, 2000
	ANNNNNN	Genbank Accession No. AK026563, deposited September 29, 2000
	AOOOOOO	Genbank Accession No. AK026581, deposited September 29, 2000
	APPPPPP	Genbank Accession No. AK027065, published September 29, 2000
	AQQQQQQ	Genbank Accession No. AL008734, deposited November 23, 1999
	ARRRRRR	Genbank Accession No. AL050269, published February 18, 2000
	ASSSSSS	Genbank Accession No. AL117475, deposited February 18, 2000
	ATTTTTT	Genbank Accession No. AL117496, deposited Mar. 10, 2001
	AUUUUUU	Genbank Accession No. AL136791, deposited March 10, 2001
	AVVVVVV	Genbank Accession No. BC003582, deposited April 18, 2001
	AWWWWWW	Genbank Accession No. BC004195, published April 18, 2001
	AXXXXXX	Genbank Accession No. BC004203, deposited April 18, 2001
	AYYYYYY	Genbank Accession No. BC004225, published April 18, 2001
	AZZZZZZ	Genbank Accession No. BC005392, deposited April 18, 2001
	AAAAAAAA	Genbank Accession No. BC005874, deposited April 18, 2001
	ABBBBBBB	Genbank Accession No. CAB02036, deposited June 17, 1998
	ACCCCCC	Genbank Accession No. D28778, deposited August 5, 1997
	ADDDDDD	Genbank Accession No. H43467, deposited July 31, 1995
	AEEEEEE	Genbank Accession No. H93085 (Nov. 30, 1995)
	AFFFFFFF	Genbank Accession No. K03332, deposited August 2, 1993
	AGGGGGG	Genbank Accession No. L24774, deposited July 19, 1994
	AHHHHHH	Genbank Accession No. M14505, deposited February 28, 1994
	AIIIIII	Genbank Accession No. M15796 (Apr. 27, 1993)
	AJJJJJJ	Genbank Accession No. M60857, deposited November 2, 1994
	AKKKKKK	Genbank Accession No. M88458 (Apr. 27, 1993)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	ALLLLLLL	Genbank Accession No. NM_000075, deposited October 31, 2000
	AMMMMMMM	Genbank Accession No. NM_000943, deposited October 31, 2000
	ANNNNNNN	Genbank Accession No. NM_001919, deposited October 31, 2000
	AOOOOOOO	Genbank Accession No. NM_002592, deposited Oct. 31, 2000
	APPPPPPP	Genbank Accession No. NM_004252, deposited November 1, 2000
	AQQQQQQQ	Genbank Accession No. NM_004846, deposited November 1, 2000
	ARRRRRRR	Genbank Accession No. NM_005701, deposited January 11, 2001
	ASSSSSSS	Genbank Accession No. NM_006853, deposited November 2, 2000
	ATTTTTTT	Genbank Accession No. NM_006854, deposited November 2, 2000
	AUUUUUUU	Genbank Accession No. NM_012310, deposited February 3, 2001.
	AVVVVVVV	Genbank Accession No. NM_012773, deposited November 1, 2000
	AWWWWWWW	Genbank Accession No. NM_013235, deposited February 3, 2001
	AXXXXXXX	Genbank Accession No. NM_015654, deposited November 2, 2000
	AYYYYYYY	Genbank Accession No. NM_016195, deposited November 2, 2000
	AZZZZZZZ	Genbank Accession No. NM_016248, deposited November 2, 2000
	AAAAAAAAA	Genbank Accession No. NM_016705, deposited November 1, 2000
	BBBBBBBBB	Genbank Accession No. NM_018062, deposited November 2, 2000
	CCCCCCCCC	Genbank Accession No. NM_018131, deposited November 2, 2000
	DDDDDDDDD	Genbank Accession No. NM_018401, deposited November 2, 2000
	AEEEEEEEE	Genbank Accession No. NM_021302, deposited November 1, 2000
	FFFFFFFFF	Genbank Accession No. NM_022082, deposited December 5, 2000
	AGGGGGGGG	Genbank Accession No. NM_022183, deposited December 6, 2000
	AHHHHHHHH	Genbank Accession No. NM_023314, deposited April 14, 2001
	AIIIIIII	Genbank Accession No. NM_024535, deposited March 18, 2001
	AJJJJJJJ	Genbank Accession No. NM_024653, deposited March 18, 2001
	AKKKKKKKK	Genbank Accession No. NM_025841, deposited Mar. 20, 2001
	ALLLLLLLL	Genbank Accession No. P08563, deposited July 15, 1998

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AMMMMMMMM	Genbank Accession No. P26332, deposited December 15, 1998
	ANNNNNNNN	Genbank Accession No. P40651, deposited February 1, 1995
	AOOOOOOOO	Genbank Accession No. P41880, deposited November 1, 1995
	APPPPPPPP	Genbank Accession No. S71018, deposited September 23, 1994
	AQQQQQQQQ	Genbank Accession No. S82472 (Dec. 3, 1996)
	ARRRRRRRR	Genbank Accession No. U01137, deposited August 23, 1994
	ASSSSSSSS	Genbank Accession No. U14990, deposited October 8, 1994
	ATTTTTTTT	Genbank Accession No. U36478, deposited December 13, 1995
	AUUUUUUUU	Genbank Accession No. U37022, deposited June 5, 1996
	AVVVVVVVV	Genbank Accession No. U48288, deposited August 23, 1996
	AWWWWWWWW	Genbank Accession No. U58766 (Nov. 1, 1996)
	AXXXXXXXXX	Genbank Accession No. U79269, deposited November 28, 2000
	AYYYYYYYY	Genbank Accession No. U95094, deposited April 15, 1999
	AZZZZZZZZ	Genbank Accession No. W66607, deposited June 14, 1996
	AAAAAAAAA	Genbank Accession No. W89528 (Sept. 12, 1996)
	BBBBBBBBB	Genbank Accession No. W94391, deposited October 17, 1996
	CCCCCCCCC	Genbank Accession No. X63745, deposited Jul. 12, 1996
	ADDDDDDDD	Genbank Accession No. XM_002264, deposited April 16, 2001
	AEEEEEEEE	Genbank Accession No. XM_002688, deposited Apr. 16, 2001
	AFFFFFFFF	Genbank Accession No. XM_003725, deposited April 16, 2001
	AGGGGGGGG	Genbank Accession No. XM_004631, deposited Apr. 16, 2001
	AHHHHHHHH	Genbank Accession No. XM_004854, Apr. 16, 2001
	AIHHHHHH	Genbank Accession No. XM_005803, Apr. 16, 2001
	AJJJJJJJJ	Genbank Accession No. XM_005908, Apr. 16, 2001
	AKKKKKKKK	Genbank Accession No. XM_006669, deposited November 17, 2000
	ALLLLLLLL	Genbank Accession No. XM_007118, deposited April 16, 2001
	AMMMMMMMM	Genbank Accession No. XM_007595, deposited November 16, 2000

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
	Applicant Williams, et al.		
	Filing Date February 12, 2004	Group Art Unit 1637	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	ANNNNNNNNN	Genbank Accession No. XM_007926, deposited November 16, 2000
	AOOOOOOOOO	Genbank Accession No. XM_008187, deposited April 17, 2001
	APPPPPPPPP	Genbank Accession No. XM_008188, deposited November 16, 2000
	AQQQQQQQQQ	Genbank Accession No. XM_009005, deposited February 10, 2001
	ARRRRRRRRR	Genbank Accession No. XM_010399, deposited April 16, 2001
	ASSSSSSSSS	Genbank Accession No. XM_012951, deposited April 16, 2001
	ATTTTTTTTT	Genbank Accession No. XM_014892, deposited April 16, 2001
	AUUUUUUUUU	Genbank Accession No. XM_014893, deposited April 16, 2001
	AVVVVVVVVV	Genbank Accession No. XM_017983, deposited April 16, 2001
	AWWWWWWWWW	Genbank Accession No. XM_017986, deposited April 16, 2001
	AXXXXXXXXXX	Genbank Accession No. XM_018155, deposited April 16, 2001
	AYYYYYYYYY	Genbank Accession No. Y15054, deposited July 28, 1999
	AZZZZZZZZZ	Genbank Accession No. Z25820, deposited April 13, 1994
	AAAAAAAAAAAA	Genbank Accession No. Z25823, deposited July 17, 1996
	ABBBBBBBBBBB	Genbank Accession No. Z27113, deposited June 8, 1995
	ACCCCCCCCCCC	Genbank Accession No. Z46372, deposited October 27, 1994
	ADDDDDDDDDDD	Genbank Accession No. Z48970, deposited February 17, 1997
	ABEEEEEEEEEE	Genbank Accession No. Z48975, deposited March 25, 1997
	AFFFFFFFFFFF	Gerhold et al., BioEssays, 18(12):973-981 (1996)
	AGGGGGGGGGGG	Gilman, "G Proteins: Transducers of Receptor-Generated Signals," <i>Ann. Rev. Biochem.</i> 56:615-649 (1987)
	AHHHHHHHHHHH	Gleason et al., "Thioredoxin and Related Proteins in Procaryotes," <i>FEMS Microbiol. Rev.</i> 54(4):271-298 (December 1988)
	AIHHHHHHH	Gō et al., "Relationship Between Mutability, Polarity and Exteriority of Amino Acid Residues in Protein Evolution," <i>Int. J. Peptide Protein Res.</i> 15(2):211-224 (February 1980)
	AJJJJJJJJJ	Guo et al., J. Pharm Exp. Thera., 300 (2002)
	AKKKKKKKKKKK	Haezebrouck et al., "Stability Effects Associated With the Introduction of a Partial and a Complete Ca ²⁺ -Binding Site Into Human Lysozyme," <i>Protein Eng.</i> 6(6):643-649 (August 1993)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
	Applicant Williams, et al.		
	Filing Date February 12, 2004	Group Art Unit 1637	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	ALLLLLLLLLL	Hanks et al., "Protein Kinase Catalytic Domain Sequence Database: Identification of Conserved Features of Primary Structure and Classification of Family Members," <i>Meth. Enzymol.</i> 200:38-62 (1991)
	AMMMMMMMMMMM	Hanks et al., "The Protein Kinase Family: Conserved Features and Deduced Phylogeny of the Catalytic Domains," <i>Science</i> 241(4861):42-52 (July 1, 1988)
	ANNNNNNNNNNN	Hanks, "Eukaryotic Protein Kinases," <i>Curr. Opin. Struct. Biol.</i> 1:369-383 (1991)
	AOOOOOOOOOOO	Hanks, et al., "The Eukaryotic Protein Kinase Superfamily: Kinase (Catalytic) Domain Structure and Classification," <i>FASEB J</i> 9(8):576-596 (May 1995)
	APPPPPPPPPP	Harosh et al., "The RAD3 Gene is a Member of the DEAH Family RNA Helicase-Like Protein," <i>Nucleic Acids Res.</i> 19(22):6331 (November 25, 1991)
	AQQQQQQQQQQQ	Haynes et al., "The Bromodomain: A Conserved Sequence Found in Human, <i>Drosophila</i> and Yeast Proteins," <i>Nucleic Acids Res.</i> 20(10):2603 (May 25, 1992)
	ARRRRRRRRRRR	Hell et al., <i>Lab. Invest.</i> , 73:492-496 (1995)
	ASSSSSSSSSS	Heller et al., "Discovery and Analysis of Inflammatory Disease-Related Genes Using cDNA Microarrays" <i>Proc. Natl Acad Sci.</i> , Vol. 94, pp. 2150-2157 (XP002076789) (March 1997)
	ATTTTTTTTTTT	Hill, "Signalling to the Nucleus By Members of the Transforming Growth Factor- β (TFG- β) Superfamily," <i>Cell Signal</i> 8(8):533-544 (1996)
	AUUUUUUUUUUU	Hill, <i>The Basic Science of Oncology</i> , Tannock et al, Eds. McGraw Hill, New York, pp. 178-195 (1992f)
	AVVVVVVVVVVV	Hillier et al., GenBank Accession Number H43467 (July 31, 1995)
	AWWWWWWWWWW	Hillier et al., GenBank Accession Number W94391 (October 17, 1996)
	AXXXXXXXXXXX	Hillier et al., The WashU-Merck EST Project. GenBank Accession No. R87679 (Aug. 16, 1995)
	AYYYYYYYYYYY	Hodgman, "A New Superfamily of Replicative Proteins," <i>Nature</i> 333(6168):22-23 (May 5, 1988)
	AZZZZZZZZZZZ	Hodgman, "A New Superfamily of Replicative Proteins," <i>Nature</i> 333(6173):578 (June 9, 1988)
	AAAAAAAAAAAAA	Holmgren, "Thioredoxin and Glutaredoxin Systems," <i>J. Biol. Chem.</i> 264(24):13963-13966 (Aug. 25, 1989)
	ABBBBBBBBBBBB	Holmgren, "Thioredoxin," <i>Annu. Rev. Biochem.</i> 54:237-271 (1985)
	ACCCCCCCCCCCC	Hu et al., GenBank Accession Number HSU36478 (December 13, 1995)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
	Applicant Williams, et al.		
	Filing Date February 12, 2004	Group Art Unit 1637	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	ADDDDDDDDDDD	Hunter, "Protein Kinase Classification," <i>Meth. Enzymol.</i> 200:3-37 (1991)
	AEEEEEEEEEEEE	Hunter, "Protein-Tyrosine Phosphatases: The Other Side of the Coin," <i>Cell</i> 58(6):1013-1016 (September 22, 1989)
	AFFFFFFFFFFFF	Jang et al., <i>Clin. Exp. Metastasis</i> , 15:469-483 (1997)
	AGGGGGGGGGGGG	Kelner et al., "Nonresponsiveness of the Metastatic Human Lung Carcinoma MV522 Xenograft to Conventional Anticancer Agents," <i>Anticancer Res.</i> 15(3):867-872 (May-June 1995)
	AHHHHHHHHHHHH	Kerr et al., "Signal Transduction: The Nuclear Target," <i>Current Op. Cell Biol.</i> 4(3):496-501 (June 1992)
	AIHHHHHHH	Kiefer et al., "Regulation of Transcription and Translation," <i>Biochem. Soc. Trans.</i> 25(2):491-498 (May 1997)
	AJJJJJJJJJJ	Klug et al., "'Zinc Fingers': A Novel Protein Motif for Nucleic Acid Recognition," <i>TIBS</i> 12(12):464-469 (December 1987)
	AKKKKKKKKKKKK	Knighton et al., Crystal Structure of the Catalytic Subunit of Cyclic Adenosine Monophosphate-Dependent Protein Kinase," <i>Science</i> 253(5018):407-414 (July 26, 1991)
	ALLLLLLLLLLLL	Koonin et al., "Vaccinia Virus Encodes Four Putative DNA and/or RNA helicases Distantly Related to Each Other," <i>J. Gen. Virol.</i> 73(4):989-993 (April 1992)
	AMMMMMMMMMMMM	Kuang et al., "Differential Screening and Suppression Subtractive Hybridization Identified Genes Differentially Expressed in an Estrogen Receptor-Positive Breast Carcinoma Cell Line," <i>Nucleic Acids Res.</i> 26(4):1116-1123 (February 15, 1998)
	ANNNNNNNNNNNN	Kunau et al., "Two Complementary Approaches to Study Peroxisome Biogenesis in <i>Saccharomyces cerevisiae</i> : Forward and Reversed Genetics," <i>Biochimie</i> 75(1/2):209-224 (1993)
	AOOOOOOOOOOOO	Kuriyan et al., "Structures of SH2 and SH3 Domains," <i>Curr. Opin. Struct. Biol.</i> 3:828-837 (1993)
	APPPPPPPPPPP	Lambert et al., "From Anemia to Cerebellar Dysfunction: A Review of the Ankyrin Gene Family," <i>Eur. J. Biochem.</i> 211(1/2):1-6 (January 1993)
	AQQQQQQQQQQQQ	Lazar et al., <i>Mol. Cell. Bio.</i> 8:1247-1252 (1988)
	ARRRRRRRRRRR	Lester et al., GenBank Accession No. RRU48288 (August 23, 1996)
	ASSSSSSSSSSS	Liao et al., Structure of Wheat Serine Carboxypeptidase II at 3.5-Å Resolution," <i>J. Biol. Chem.</i> 265(12):6528-6531 (April 25, 1990)
	ATTTTTTTTTTTT	Linder et al., "Birth of the D-E-A-D Box," <i>Nature</i> 37(6203):121-122 (January 12, 1989)
	AUUUUUUUUUUU	Lopez et al., <i>Molecular Biology</i> , 32:881-891, 1999
	AVVVVVVVVVVVV	Marengere et al., "Structure and Function of SH2 Domains," <i>J. Cell Sci. Supplement</i> 18:97-104 (December 1994)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AWWWWWWWWWWW	Marra et al., GenBank Accession No. AA114761 (November 15, 1996)
	AXXXXXXXXXXX	Marra et al., GenBank Accession No. AA444267 (August 1997)
	AYYYYYYYYYYYY	Marra et al., GenBank Accession No. W66607 (June 14, 1996)
	AZZZZZZZZZZZ	Masui et al., "Stabalization and Rational Design of Serine Protease AprM Under Highly Alkaline and High-Temperature Conditions," <i>Appl. Env. Microbiol.</i> 60(10):3579-3584 (October 1994)
	AAAAAAAAAAAAA	Matsuno et al., "Suppressor of Hairless-Independent Events in Notch Signaling Imply Novel Pthway Elements," <i>Development</i> 124(21):4265-4273 (1997)
	ABBBBBBBBBBBB	Mayer et al., "A Novel Viral Oncogene With Structural Similarity to Phospholipase C," <i>Nature</i> 332(6161):272-275 (March 17, 1988)
	ACCCCCCCCCCCC	Mayer et al., "Signaling Through Sh2 and SH3 Domains," <i>Trends Cell Biol.</i> 3:8-13 (January 1993)
	ADDDDDDDDDDDD	McClean et al., <i>Eur. J. Cancer</i> , 29a:2243-2248 (1993)
	AEEEEEEEEEEEE	Meldrum et al., "The PtdIns-PLC Superfamily and Signal Transduction," <i>Biochem. Biophys. Acta</i> 1092:49-71 (1991)
	AFFFFFFFFFFFFF	Michelsen et al., "The LIM Motif Defines a Specific Zinc-Binding Protein Domain," <i>Proc. Natl. Acad. Sci. USA</i> 90(10):4404-4408 (May 15, 1993)
	AGGGGGGGGGGGG	Miller et al., "Repetitive Zinc-Binding Domains in the Protein Transcription Factor IIIA From <i>Xenopus</i> oocytes," <i>EMBO J.</i> 4(6):1609-1614 (June 1985)
	AHHHHHHHHHHHH	Milner et al., "The G9a Gene in the Human Major Histocompatibility Complex Encodes a Novel Protein Containing Ankyrin-Like Repeats," <i>Biochem. J.</i> 290(2):811-818 (March 1, 1993)
	AIIIIIIIIII	Mordret, "MAP Kinase Kinase: A Node Connecting Multiple Pathways," <i>Biol. Cell</i> 79(3):193-207 (1993)
	AJJJJJJJJJJJ	Morikawa et al., "Influence of Organ Environment on the Growth, Selection, and Metastasis of Human Carcinoma Cells in Nude Mice," <i>Cancer Research</i> 48(23):6863-6871 (December 1, 1988)
	AKKKKKKKKKKKK	Morrissey, J.H., "Human Tissue Factor Gene," <i>EMBL Databank</i> , ID HSTFPB (February 20, 1989)
	ALLLLLLLLLLLL	Morton et al., "SH3 domains. Molecular 'Velcro'," <i>Current Biology</i> 4(7):615-617 (July 1, 1994)
	AMMMMMMMMMMMM	Musacchio et al., "SH3-an abundant protein domain in search of a function," <i>FEBS Lett.</i> 307(1):55-61 (July 27, 1992)
	ANNNNNNNNNNNN	Neto et al., "Shotgun Sequencing of the Human Transcriptome with ORF Expressed Sequence Tags" <i>PNAS</i> Vol. 97 No. 7 3491-3496 (XP000996193) (March 28, 2000)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	A0000000000000	Nishida et al., "The MAP Kinase Cascade is Essential for Diverse Signal Transduction Pathways," <i>TIBS</i> . 18:128-131 (April 1993)
	APPPPPPPPPPPP	Nishizuka, Yasutomi, Discovery and prospect of protein kinase C research: epilogue. <i>J. of Biochem.</i> (Tokyo, Japan) Vol. 133, pp. 155-158 (2003) abstract. CAPLUS [online] [retrieved on 7/7/03]. Retrieved from: STN Intern'l, Columbus, OH, USA. Accession No. 2003-342536
	AQQQQQQQQQQQQQ	Northwestern University, Oligonucleotide Properties Calculator [online] [retrieved 7/7/03]. Retrieved from the internet: URL: http://www.basic.nwu.edu/biotools/oligocalc >.
	ARRRRRRRRRRRRR	Nusse, "The <i>int</i> Genes in Mammary Tumorigenesis in a Normal Development," <i>TIG</i> . 4(10):291-295 (October 1988)
	ASSSSSSSSSSSSS	Odum et al., Limitations of the MCF-7 Cell Proliferation Assay for Detecting Xenobiotic Oestrogens, <i>Toxicology in Vitro</i> , Vol. 12, pp. 273-278 (1998)
	ATTTTTTTTTTTTT	Okamura et al., "Endogenous Basic Fibroblast Growth Factor-dependent Induction of Collagenase and Interleukin-6 in Tumor Necrosis Factor-treated Human Microvascular Endothelial Cells." <i>The Jour. Of Biol. Chem.</i> Vol. 266(29):19162-19165 (1991)
	AUUUUUUUUUUUUU	Olsen et al., "Improvement of Bacterial β -glucanase Thermostability by Glycosylation," <i>J. Gen. Microbiol.</i> 137(3):579-585 (March 1991)
	AVVVVVVVVVVVVV	Pawson, "Protein Modules and Signaling Networks," <i>Nature</i> 373(6515):573-580 (February 16, 1995)
	AWWWWWWWWWWWWW	Payre et al., "Finger Proteins and DNA-Specific Recognition: Distinct Patterns of Conserved Amino Acids Suggest Different Evolutionary Modes," <i>FEBS Lett.</i> 234(2):245-250 (July 1988)
	AXXXXXXXXXXXXXX	Peters et al., "An Abundant and Ubiquitous Homo-Oligomeric Ring-Shaped ATPase Particle Related to the Putative Vesicle Fusion Proteins Sec 18p and NSF," <i>EMBO J.</i> 9(6):1757-1767 (June 1990)
	AYYYYYYYYYYYYYY	Ponting, "Evidence for PDZ Domains in Bacteria, Yeast, and Plants," <i>Protein Sci.</i> 6(2):464-468 (February 1997)
	AZZZZZZZZZZZZZ	Powell, et al. Pharmacogenesis, 8:411-421 (1998)
	AAAAAAAAAAAAAAA	Product Number O4128, Sigma Catalog, p. 776 (1990)
	ABBBBBBBBBBBBBBB	Querol et al, "Analysis of Protein Conformational Characteristics Related to Thermostability," <i>Prot. Eng.</i> 9(3):265-271 (March 1996)
	ACCCCCCCCCCCCCC	Radinsky et al., "Level and Function of Epidermal Growth Factor Receptor Predict the Metastatic Potential of Human Colon Carcinoma Cells." <i>Clinical Cancer Res.</i> Vol. 1:19-31 (1995)
	ADDDDDDDDDDDDDD	Raether et al., GenBank Accession Number HSU14990 (October 8, 1994)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AAAAAAAAAAAAA	Ranson et al., "Increased Plasminogen Binding Is Associated With Metastatic Breast Cancer Cells: Different Expression of Plasminogen Binding Proteins," <i>Br. J. Cancer</i> 77(10):1586-1597 (May 1998)
	AAAAAAAAAAAAA	Rhee et al., "Multiple Forms of Phospholipase C Isozymes and Their Activation Mechanisms," <i>Adv. Second Messenger Phosphoprotein Res.</i> 26:35-61 (1992)
	AGGGGGGGGGGGG	Rhee et al., "Regulation of Inositol Phospholipid-Specific Phospholipase C Isozymes," <i>J. Biol. Chem.</i> 267(18):12393-12396 (June 25, 1992)
	AHHHHHHHHHHHH	Rosenfeld et al., "Zinc Fingers: Conserved Properties that Can Distinguish Between Spurious and Actual DNA-Binding Motifs," <i>J. Biomol. Struct. Dyn.</i> 11(3):557-570 (December 1993)
	AAAAAAAAAAAAA	Ruderman, "MAP Kinase and the Activation of Quiescent Cells," <i>Curr. Opin. Cell. Biol.</i> 5(1):207-213 (February 1993)
	AJJJJJJJJJJJJ	Russell et al., "Conservation Analysis and Structure Prediction of the SH2 Family of Phosphotyrosine Binding Domains," <i>FEBS Lett.</i> 304(1):15-20 (June 1992)
	AKKKKKKKKKKKK	Russell et al., <i>Journal of Molecular Biology</i> 244:332-350 (1994)
	ALLLLLLLLLLLLL	Sadowski et al., "A Noncatalytic Domain Conserved Among Cytoplasmic Protein-Tyrosine Kinases Modifies the Kinase Function and Transforming Activity of Fujinami Sarcoma Virus P130 ^{gag-fps} ," <i>Mol. Cell. Biol.</i> 6(12):4396-4408 (December 1986)
	AMMMMMMMMMMMMM	Sánchez-García et al., "The LIM Domain: A New Structural Motif Found in Zinc-Finger-Like Proteins," <i>Trends Genet.</i> 10(9):315-320 (September 1994)
	ANNNNNNNNNNNNN	Schmid et al., "D-E-A-D Protein Family of Putative RNA Helicases," <i>Mol. Microbiol.</i> 6(3):283-292 (February 1992)
	AOOOOOOOOOOOO	Schofield, P.N., "Patterns, Puzzles and Paradigms: The Riddle of the Homeobox," <i>Trends Neurosci.</i> 10(1):3-6 (January 1987)
	APPPPPPPPPPPP	Scott et al., "The pendred syndrome gene encodes a chloride-iodide transport protein," <i>Nature Genetics</i> Vol. 21, pp. 440-443 (1999)
	AQQQQQQQQQQQQ	Shantz, et al., <i>Int. J. Biochem Cell Bio.</i> , 31:107-122 (1999)
	ARRRRRRRRRRRR	Simon et al., "Diversity of G Proteins in Signal Transduction," <i>Science</i> 252(5007):802-808 (May 10, 1993)
	ASSSSSSSSSSSS	Sorimachi et al., "Structure and Physiological Function of Calpains," <i>Biochem. J.</i> 328(3):721-732 (December 15, 1997)
	ATTTTTTTTTTTTTT	Stabel, "Protein Kinase C—An Enzyme and Its Relatives," <i>Seminars Cancer Biol.</i> 5(4):277-284 (August 1994)
	AUUUUUUUUUUUU	Sterweis et al., "Regulation of Phospholipase C By G Proteins," <i>Trends Biochem. Sci.</i> 17:502-506 (December 1992)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
	Applicant Williams, et al.		
	Filing Date February 12, 2004	Group Art Unit 1637	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AVVVVVVVVVVVVVV	Tamkun et al., "brahma: A Regulator of Drosophila Homeotic Genes Structurally Related to the Yeast Transcriptional Activator SNF2/SWI2," <i>Cell</i> 68(3):561-572 (February 7, 1992)
	AWWWWWWWWWWWWW	Tamkun, "The Role of brahma and Related Proteins in Transcription and Development," <i>Curr. Opin. Genet. Dev.</i> 5(4):473-477 (August 1995)
	AXXXXXXXXXXXXXXX	Temeles et al., GenBank Accession No. U01137 (August 23, 1994)
	AYYYYYYYYYYYYYYY	Tockman et al., <i>Cancer Res.</i> , 52:2711s-2718s (1992)
	AZZZZZZZZZZZZZZ	Toma et al., Grafting of a Calcium-Binding Loop of Thermolysin to <i>Bacillus subtilis</i> Neutral Protease," <i>Biochemistry</i> 30(1):97-106 (January 8, 1991)
	AAAAAAAAAAAAAAAAA	Tonks et al., "Protein Tyrosine Desphosphorylation and Signal Transduction," <i>Trends Biochem. Sci.</i> 14:497-500 (December 1989)
	ABBBBBBBBBBBBBBBB	Trowbridge, "A Prototype for Transmembrane Protein Tyrosine Phosphatases," <i>J. Biol. Chem.</i> 266(35):23517-23520 (December 15, 1991)
	ACCCCCCCCCCCCCCCC	Valencia et al., "The ras Protein Family: Evolutionary Tree and Role of Conserved Amino Acids," <i>Biochemistry</i> 30(19):4637-4648 (May 14, 1991)
	ADDDDDDDDDDDDDDD	Vallejo et al., <i>Biochimie</i> , 82:1129-1133 (2000)
	AEEEEEEEEEEEEEEEE	Varki et al., "Cloned Low Metastatic Variants From Human Lung Carcinoma Metastases," <i>Anticancer Res.</i> 10(3):637-644 (May-June 1990)
	AFFFFFFFFFFFFFFFFF	Varki et al., "Microscopic Metastasis of a Human Lung Carcinoma Cell Line in Athymic Nude Mice: Isolation of a Metastatic Variant," <i>Int. J. Cancer</i> 40(1):46-52 (July 15, 1987)
	AGGGGGGGGGGGGGGG	Varki et al., "Spontaneously Metastasizing Variants of a Human Lung Carcinoma Cell Line: Monoclonal Antibody Characterization," <i>Tumor Biol.</i> 11:327-338 (November-December 1990)
	AHHHHHHHHHHHHHHH	Wakarchuk et al., "Thermostabilization of the <i>Bacillus circulans</i> Xylanase by the Introduction of Disulfide Bonds," <i>Protein Eng.</i> 7(11):1379-1386 (November 1994)
	AIHHHHHHHH	Wassarman et al., "Alive with DEAD Proteins," <i>Nature</i> 349(6309):463-464 (February 7, 1991)
	AJJJJJJJJJJJJJJ	Wasylyk et al., "The Ets Family of Transcription Factors," <i>Eur. J. Biochem.</i> 211(1/2):7-18 (January 1993)
	AKKKKKKKKKKKKKKK	Wells et al., <i>Journal of Leukocyte Biology</i> 61(5):545-550 (1997)
	ALLLLLLLLLLLLLLLL	Yang et al., Protein-peptide interactions analyzed with the yeast two-hybrid system. <i>Nucl. Acids Res.</i> Vol. 23, pp. 1152-1156 (1995)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AMMMMMMMMMMMMMMM	Yeatman et al., "Identification of a Differentially-Expressed Message Associated With Colon Cancer Liver Metastasis Using an Improved Method of Differential Display," <i>Nucl. Acids, Res.</i> 23(19):4007-4008 (October 11, 1995)
	ANNNNNNNNNNNNNNN	Yeatman et al., "Identification of Genetic Alterations Associated With the Process of Human Experimental Colon Cancer Liver Metastasis in the Nude Mouse," <i>Clin. Exp. Metastasis</i> 14(1):246-252 (January 1996)
	AOOOOOOOOOOOOOOO	Zhang et al., "Anti-Tumor Efficacy and Biodistribution of Intravenous Polymeric Micellar Paclitaxel," <i>Anti-Cancer Drugs</i> *:696-701 (1997)
	APPPPPPPPPPPPPP	Zimmer, Cell Motility and the Cytoskeleton, 20:325-337 (1991)
	AQQQQQQQQQQQQQQQ	Martoglio, et al., Changes in Tumorigenesis- and Angiogenesis-related Gene Transcript Abundance Profiles in Ovarian Cancer Detected by Tailored High Density cDNA Arrays, <i>Molecular Medicine</i> 6(9) 750-765 (2000)
	ARRRRRRRRRRRRRRR	Backert, et al., Differential Gene Expression in Colon Carcinoma Cells and Tissues Detected with a cDNA Array, <i>Int. J. Cancer</i> , 82, 868-874 (1999)
	ASSSSSSSSSSSSSSS	Gariboldi, et al., SCCA2-like Serpins Mediate Genetic Predisposition to Skin Tumors, <i>Cancer Research</i> 63, 1871-1875 (Apr. 15, 2003)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	